

M 5.8, 41 km S of Puerto San Jos, Guatemala

Origin Time: 2021-11-18 16:56:56 UTC (Thu 10:56:56 local)
Location: 13.5508° N 90.8004° W Depth: 29.5 km

Created: 1 day, 0 hours after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

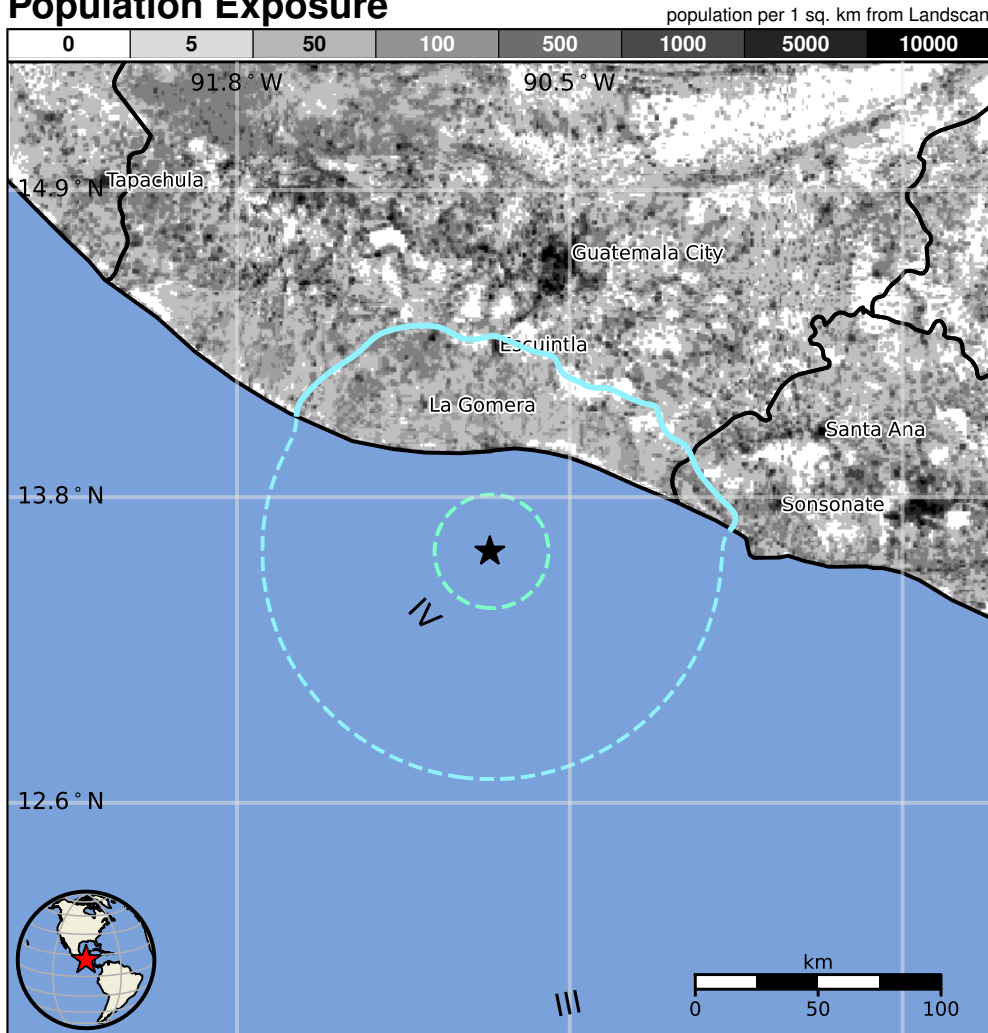


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) | | —* | 18,025k | 1,295k | 0 | 0 | 0 | 0 | 0 | 0 |
|---|-----------------------|----------|---------|--------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY | | I | II-III | IV | V | VI | VII | VIII | IX | X+ |
| PERCEIVED SHAKING | | Not felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme |
| POTENTIAL DAMAGE | Resistant Structures | None | None | None | V. Light | Light | Moderate | Mod./Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | None | None | None | Light | Moderate | Mod./Heavy | Heavy | V. Heavy | V. Heavy |

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 2001-02-17 | 184 | 4.1 | V(2,250k) | 1 |
| 2001-05-08 | 213 | 5.7 | VII(562k) | 1 |
| 1976-02-04 | 263 | 7.5 | IX(80k) | 23k |

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|-----|-----------------|------------|
| IV | Puerto San Jose | 19k |
| IV | Iztapa | 4k |
| IV | La Gomera | 24k |
| IV | Guazacapan | 7k |
| IV | Taxisco | 7k |
| IV | Masagua | 10k |
| III | Guatemala City | 995k |
| III | Santa Tecla | 125k |
| III | Santa Ana | 177k |
| III | Quetzaltenango | 132k |
| III | San Salvador | 526k |

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000fv5p#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000fv5p